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(71) Applicant (for all designated States except US): CHIL-DREN'S HOSPITAL MEDICAL CENTER [US/US]; 3333 Burnet Avenue, Cincinnati, OH 45229 (US).

(72) Inventors; and

- (75) Inventors/Applicants (for US only): LANG, Richard, Anthony [AU/US]; 8917 Symmes Trace Court, Loveland, OH 45140 (US). LOBOV, Ivan, Borisovich [RU/US]; 601 Lowell Avenue, #17, Cincinnati, OH 85220 (US).
- (74) Agent: NESBITT, Daniel, F.; Hasse Guttag & Nesbitt LLC, 7577 Central Park Boulevard, Suite 316, Mason, OH 45040 (US).

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(54) Title: IN VIVO ANGIOGENESIS ASSAY

(57) Abstract: A method for evaluating *in vivo* a test substance for angiogenesis modulation activity, including the steps of providing a rodent pup having a pupillary membrane system in a first eye, injecting transcorneally proximate to the pupillary membrane a test substance; and examining the pupillary membrane to determine whether new vascular tissue has grown. The method can also evaluate the ability of a test substance to regress existing vascular tissue, or to inhibit or prevent new vascular tissue, by injecting transcorneally a first substance that induces new vascular tissue growth, then injecting a test substance, and examining the pupillary membrane to determine whether new vascular tissue has grown. The assay can also be used to evaluate the effect of a small molecule on a property of a capillary vessel, and to evaluate a test substance on a problematic vascular condition.



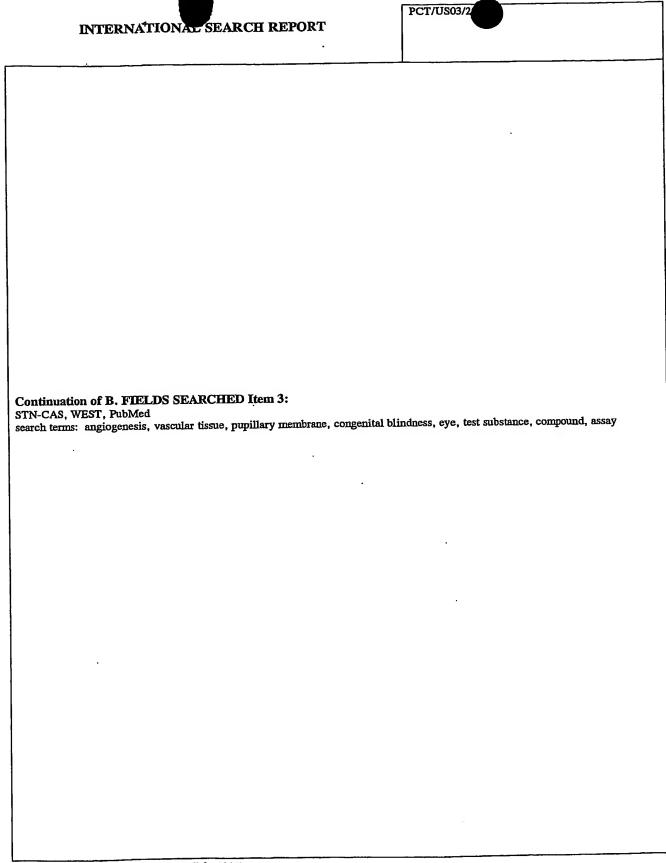


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B. FIELDS SEARCHED					
Minimum documentation searched (classification system followed by classification symbols)					
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Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched					
Electronic data base consulted during the international search (name of data base and, where practicable, search terms used)					
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C. DOCUMENTS CONSIDERED TO BE RELEVANT					
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